Index of Claims

| Appl | ication | No. |
|------|---------|-----|

09/932,229

Examiner

Bradley Edelman

Applicant(s)

AHRENS ET AL.

Art Unit

2153

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          | aim      |        |  |  |              |  | Date Claim Date                                  |          |                |          |          |          |          |          | _        |          | aim       | Date     |          |          |          |          |          |               |          |           |          |                |          |           |          |
|----------|----------|--------|--|--|--------------|--|--|----------|----------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|---------------|----------|-----------|----------|----------------|----------|-----------|----------|
| 1 08     |          |        |  |  |              |  |  | $\dashv$ | 0              | 21111    | ├-       |          |          |          | Jale     | ;<br>    |           |          | $\dashv$ |          | allil    | 1        | _        | $\overline{}$ | اهر<br>T | T         | _        |                |          |           |          |
| Final    | Original | 2/8/05 | <b> </b>   |  |              |  |  |          |                |          | Final    | Original |          |          |          |          |           |          |          |          |          | Final    | Original |               |          |           |          |                |          |           |          |
|          | 1        | J      |  |  |              |  | П  | 1        |                | _        |          | 51       | Г        |          | П        |          |           |          | 一        |          |          |          | 101      |               |          | T         | T        | $\vdash$       |          | П         |          |
|          | 2        | 1      | T  | Г  | Г            |  |  | Т        | П              |          |          | 52       | Г        |          |          |          |           |          | ヿ        | $\neg$   | 1        |          | 102      |               |          | $\top$    | $\top$   | Т              | 1        |           |          |
|          | 3        | IT     | T  | T  |              |  | Т  | Т        | П              | ┪.       |          | 53       |          |          | П        |          |           | 寸        | 一        |          | 7        |          | 103      |               | 1        | ╈         | 1        |                |          | П         |          |
| _        | 4        | ⇈      | İ⊤   | Г  | $\vdash$     | _  | Г  | Г        | $\Box$         | _        |          | 54       | ┢        | $\vdash$ |          |          |           | 寸        | 一        | T        | ┪        |          | 104      |               |          | 1         | +        | T              | <u> </u> | Н         |          |
|          | 5        | H      | T  | $\vdash$   |              |  |  |          | Н              | $\neg$   |          | 55       | Г        | $\vdash$ | Н        |          | $\neg$    | 7        | $\neg$   |          | ┪        |          | 105      | _             | +        | ✝         | t        | t              |          | Н         |          |
| _        | 6        | H      | T  |  | H            | $\vdash$   | 一  | Г        | Н              | $\neg$   |          | 56       | Т        |          | Н        |          | $\exists$ | 寸        | _        |          | ┪        |          | 106      |               | $\top$   | ╅         | ╈        | ✝              | $\vdash$ |           | _        |
|          | 7        | H      | $\vdash$   |  | $\vdash$     | 一  | 1  | $\vdash$ | H              |          |          | 57       | _        | -        |          |          |           | $\dashv$ | _        | 十        | ┪        |          | 107      | -             | +        | +         | 十        | ╁              |          | $\vdash$  |          |
| <u> </u> | 8        | ⇈      | <del>                                     </del> |  | <del> </del> | ╁  | -  | H        | $\vdash$       | $\dashv$ |          | 58       |          |          | $\Box$   |          |           | $\dashv$ | $\dashv$ | $\dashv$ | ┪        | _        | 108      | $\dashv$      | +        | ╁         | ╁        | ┢              |          | $\dashv$  | _        |
|          | 9        | H      | 1  | <del>                                     </del> | Т            | -  | H  | 1        | П              | _        |          | 59       |          |          |          | _        |           | $\dashv$ | _        | 十        | ┪        |          | 109      |               | _        | +         | +        | $\vdash$       |          | $\vdash$  | _        |
|          | 10       | H      | H  |  | <u> </u>     | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$       |          | <u> </u> | 60       | Т        | _        |          |          |           | $\dashv$ | T        | 1        | ┪        |          | 110      | 7             | $\dashv$ | ╈         | ✝        | 一              |          |           |          |
|          | 11       | H      | T  | T  | $\vdash$     | T  | T  |          |                | $\neg$   | <b>—</b> | 61       | $\vdash$ |          |          | -        |           | _        | _        | $\neg$   | ┪        |          | 111      | $\dashv$      | +        | †         | ✝        | $\vdash$       | H        | Н         | _        |
|          | 12       | t      | m  | Г  |              | _  | 1  |          |                | $\dashv$ |          | 62       |          |          |          |          |           | 一        |          |          | 1        |          | 112      |               | $\top$   | $\top$    | T        | T              | Н        |           |          |
|          | 13       | +      | Г  | $\vdash$   |              |  | Т  | $\vdash$ | П              | _        |          | 63       | _        |          |          |          |           | $\neg$   |          |          | 7        |          | 113      |               | $\top$   | $\dagger$ | T        | †              | $\vdash$ | $\Box$    |          |
|          | 14       | 1      | $\vdash$   | _  |              | 一  | 一  | Г        | H              |          |          | 64       |          |          |          |          |           | _        | 寸        |          | ┪        |          | 114      | $\dashv$      | 十        | +         | 1        | 1              |          | H         |          |
|          | 15       | 7      |  |  |              |  |  |          | П              |          |          | 65       |          |          | $\neg$   |          |           | 一        |          |          | 7        |          | 115      | $\top$        | ┪        | +         | T        |                | <u> </u> | $\Box$    | _        |
|          | 16       | +      |  |  |              |  |  | $\vdash$ |                | _        |          | 66       |          |          |          |          |           | T        |          | 1        | 7        |          | 116      | 十             | +        | +         | 1        | H              | <u> </u> | $\dashv$  | _        |
|          | 17       | T      |  | <del>                                     </del> |              |  | ┪  | ┞        | $\dashv$       | _        |          | 67       |          |          | $\Box$   |          |           | _        |          | _        | ┨        |          | 117      | $\dashv$      | $\top$   | ╁         | t        | -              | -        |           | -        |
|          | 18       | t      |  |  |              |  | <u> </u>   | H        |                | $\dashv$ |          | 68       | $\vdash$ |          |          | -        |           | 1        | 7        | $\dashv$ | ┪.       |          | 118      | 一             | +        | $\dagger$ | $\vdash$ |                |          | $\dashv$  |          |
|          | 19       | +      |  |  | $\vdash$     |  |  |          | $\Box$         | $\dashv$ | <b>—</b> | 69       | H        |          |          | $\neg$   | 1         | 1        | 寸        | $\dashv$ | ┪        | <u> </u> | 119      | $\dashv$      | +        | +         | $\vdash$ |                | $\vdash$ | $\dashv$  | _        |
|          | 20       | +      |  |  |              |  |  |          |                | _        | -        | 70       | _        |          | $\dashv$ | $\neg$   | $\dashv$  |          | $\dashv$ | +        | ┥        | <b>—</b> | 120      | -+            | +        | ╁         | ╁        | <b>†</b>       | Н        | $\dashv$  | $\neg$   |
| $\vdash$ | 21       | +      | $\vdash$   |  |              | _  | $\vdash$   |          |                | $\dashv$ |          | 71       |          |          | -        | $\dashv$ | 一         | 寸        | _        | +        | ┥        | <b>-</b> | 121      |               | +        | 十         | +        | -              |          | $\dashv$  | -        |
|          | 22       | +      | $\vdash$   | _  | Н            | $\vdash$   | Н  | $\vdash$ | $\vdash$       | -        |          | 72       |          | $\vdash$ | $\vdash$ | $\neg$   | 一         | -        | _        | +        | ┪        |          | 122      | -+            | +        | $\top$    | ╁        | $\vdash$       |          | $\forall$ | $\dashv$ |
|          | 23       | t      | 1-   |  | Н            | _  | ┪  | $\vdash$ | $\dashv$       | $\dashv$ |          | 73       |          | $\vdash$ | $\dashv$ |          | $\neg$    | 寸        | $\dashv$ | $\dashv$ | ┥        |          | 123      | +             |          | +         | +-       | $\vdash$       |          | $\vdash$  | _        |
|          | 24       | 1      |  |  | П            |  |  |          | $\neg$         | $\neg$   |          | 74       |          |          | $\neg$   |          | _         | 7        | 寸        | 1        | 1        | <b>—</b> | 124      | $\dashv$      | _        | $\dagger$ | t        | t              |          |           | $\neg$   |
|          | 25       |        | $\vdash$   | Н  | Н            |  |  | Г        | $\dashv$       | _        |          | 75       | _        |          | $\vdash$ | ┪        | $\neg$    | _        | _        | $\dashv$ | ┪        | $\vdash$ | 125      | 十             |          | +         | ╁        | H              |          | $\dashv$  | $\neg$   |
|          | 26       | T      | T  | $\vdash$   |              | $\vdash$   |  |          |                | _        | 1        | 76       |          |          |          | $\neg$   | $\neg$    | $\dashv$ | _        | _        | ٦.       | $\vdash$ | 126      | _             | $\dashv$ | +         | 十        | -              |          |           | $\neg$   |
|          | 27       | t      | T  | $\vdash$   | Н            | $\vdash$   |  |          | $\Box$         |          |          | 77       | Т        |          |          |          | T         | $\dashv$ | 寸        | $\top$   | ┪        |          | 127      | $\dashv$      | 十        | T         | $\vdash$ | -              |          | $\dashv$  | $\dashv$ |
| <b></b>  | 28       | t      | Т  |  | П            |  |  |          | $\Box$         | $\neg$   | ļ        | 78       |          | П        | $\dashv$ |          | 寸         | $\dashv$ | $\dashv$ | $\dashv$ | 7        |          | 128      | _             | $\top$   | ╁         | ┢        | ┢╌             |          | $\dashv$  | $\dashv$ |
|          | 29       | Τ      |  |  | П            |  |  |          |                |          |          | 79       |          |          | $\neg$   |          | ヿ         |          | 7        | _        | ┪        |          | 129      |               | 一        | $\top$    | 1        | $\vdash$       |          |           | _        |
|          | 30       | T      |  |  |              |  |  |          |                |          |          | 80       |          | П        |          |          | $\neg$    | 1        | 7        | 1        | $\neg$   |          | 130      | _             | +        | +         | t        | $\vdash$       |          | $\dashv$  |          |
|          | 31       | †      |  |  | П            |  |  |          | $\exists$      | Ti.      |          | 81       |          | $\neg$   |          | $\neg$   | 寸         | 寸        | $\dashv$ | $\top$   |          |          | 131      |               | $\top$   | 1         | t        | <del>  -</del> |          | $\dashv$  |          |
|          | 32       | t      |  |  | П            |  |  |          |                |          |          | 82       |          |          |          | $\neg$   | 一         | +        | _        | $\dashv$ | $\dashv$ |          | 132      | $\neg$        | $\dashv$ | +         |          |                |          | $\dashv$  | $\neg$   |
|          | 33       | Ť      |  |  | П            |  |  |          |                | 7        |          | 83       | $\vdash$ |          |          |          | $\neg$    | _        | T        | $\dashv$ | 7        | <b>—</b> | 133      | _             | +        | +-        | T        |                |          |           | $\neg$   |
|          | 34       | †      |  | П  | П            | П  | Г  | П        | $\dashv$       |          |          | 84       | $\Box$   |          | $\neg$   |          | ᅥ         | _        | 1        | $\neg$   | 1        | $\Box$   | 134      | $\top$        | $\top$   | T         | t        | Ħ              |          | $\dashv$  | _        |
|          | 35       | †      |  |  | П            |  | П  | П        | $\Box$         | $\neg$   |          | 85       |          |          | $\neg$   | $\dashv$ | 一         | $\dashv$ | $\dashv$ | 1        | 7        |          | 135      | $\neg$        | $\top$   | T         | T        | T              | $\vdash$ | $\dashv$  | _        |
|          | 36       | †      | Г  | П  | П            |  |  |          | $\Box$         | $\neg$   |          | 86       |          |          |          | $\neg$   | $\neg$    | $\dashv$ | 寸        | $\top$   | 7        |          | 136      | $\neg$        | T        | T         | T        | 1              |          | _         | $\neg$   |
| П        | 37       | T      |  |  | П            |  |  |          | $\Box$         | $\dashv$ |          | 87       |          |          | $\dashv$ | 一        | $\dashv$  | $\dashv$ | ╛        | $\neg$   | 1        | $\vdash$ | 137      | $\neg$        | $\top$   | T         | T        |                |          |           |          |
|          | 38       | 1      |  | П  | П            |  |  |          | $\dashv$       | $\dashv$ |          | 88       |          |          |          | $\dashv$ | _         | $\dashv$ | 寸        | $\top$   | 1        |          | 138      | _             | $\top$   | T         | T        |                |          | $\dashv$  |          |
|          | 39       | T      |  | М  | П            |  |  |          | $\dashv$       | $\dashv$ |          | 89       | П        |          | _        |          | 1         | $\dashv$ | 7        | $\neg$   | 7        |          | 139      | _             | $\top$   | T         | T        |                |          | 寸         | -        |
|          | 40       | T      |  | П  | П            |  |  | П        | $\dashv$       | $\dashv$ |          | 90       |          |          | $\dashv$ | $\neg$   | $\dashv$  | $\dashv$ |          | $\top$   | ┪        |          | 140      | -             | $\top$   | T         | T        |                | $\vdash$ | 寸         | -        |
|          | 41       | T      | П  | П  | П            | П  |  |          | $\neg \dagger$ | $\neg$   |          | 91       | П        |          | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | ┪        |          | 141      |               | 1        | †         | T        | П              | $\vdash$ | 7         | $\neg$   |
|          | 42       | T      |  |  |              |  |  |          | 寸              | $\dashv$ |          | 92       | П        |          | $\dashv$ |          | $\dashv$  | $\dashv$ | 寸        | $\neg$   | 7        | $\Box$   | 142      | +             | $\top$   | $t^-$     | $\vdash$ | T              |          |           | $\neg$   |
|          | 43       | 1      |  | $\neg$   |              | П  |  |          | $\dashv$       | $\dashv$ |          | 93       | Н        | $\neg$   | $\dashv$ | 一        | $\dashv$  | 1        | 1        | $\dashv$ | 1        | П        | 143      | $\dashv$      | $^{+}$   | T         | t        | Ħ              |          | _         | $\dashv$ |
|          | 44       | T      |  |  | Ħ            |  | П  |          | _              | ┨        |          | 94       | Н        | $\dashv$ | 寸        | 一        | $\dashv$  | 十        | $\dashv$ | $\dashv$ | 1        |          | 144      | $\neg$        | $\top$   | $\vdash$  | t        |                |          | $\dashv$  | -        |
|          | 45       | T      | П  |  | $\sqcap$     |  | М  |          | 寸              | $\neg$   |          | 95       |          | $\dashv$ | 7        | T        | 寸         | 7        | $\dashv$ | $\neg$   | 1        | $\vdash$ | 145      | $\dashv$      | $\top$   | $\top$    | $\vdash$ | П              |          | $\dashv$  | $\dashv$ |
|          | 46       | T      | М  | $\Box$   | $\Box$       | $\vdash$   | Н  |          | _              | ヿ        |          | 96       | Н        | 一        | 1        | -        | _         | $\dashv$ | $\dashv$ | $\neg$   | 1        | $\vdash$ | 146      | $\dashv$      | +        | $\top$    | 1        | Н              | $\neg$   | $\dashv$  | $\dashv$ |
|          | 47       | T      | М  |  | $\Box$       | $\neg$   |  |          | _              | 7        |          | 97       | Н        | $\dashv$ | $\dashv$ | 寸        | _         | $\dashv$ | $\dashv$ | $\dashv$ | 1        | $\vdash$ | 147      | $\dashv$      | $\top$   | ✝         |          | П              | $\dashv$ | -+        | ᅥ        |
| $\Box$   | 48       | 1      | П  | $\neg$   | $\vdash$     | $\dashv$   | $\vdash$   | $\dashv$ | 7              | $\neg$   |          | 98       | Н        | 一        | 寸        | $\dashv$ | $\dashv$  | $\top$   | $\dashv$ | $\top$   | 1        | $\vdash$ | 148      | $\dashv$      | +        | +         | t        | Н              |          | +         | ᅱ        |
|          | 49       |        | $\Box$   |  | $\dashv$     | $\vdash$   |  | $\dashv$ | $\dashv$       | $\dashv$ |          | 99       |          | 一        | 寸        |          | _         | $\dashv$ | +        | +        | 1        | H        | 149      | $\dashv$      | +        | †         | 1        | $\vdash$       | $\dashv$ | $\dashv$  | $\dashv$ |
|          | 50       |        | $\neg$   |  | $\Box$       |  | $\Box$   |          |                | 7        |          | 100      |          | 寸        | 寸        |          | _         | 十        | $\dashv$ | $\top$   | 1        | Н        | 150      |               | $\top$   | T         | T        | Н              |          | $\dashv$  | 一        |
|          |          |        |  |  |              |  |  |          |                |          |          |          |          |          |          |          |           |          |          |          |          |          |          |               |          |           |          |                |          |           |          |